XP-002213519

AN - 1985-307901 [49]
AP - JP19840073709 19840412
CPY - FUJD
- NITE
DC - L01 P81 V07
DR - 1779-U 1781-U
FS - CPI;GMPI;EPI
IC - C03B20/00 ; C03B37/01 ; G02B6/00
MC - L01-F03 L01-L05
- V07-F01A1
PA - (FUJD ) FUJIKURA CABLE WORKS LTD
- (NITE ) NIPPON TELEGRAPH & TELEPHONE CORP
PN - JP60215538 A 19851028 DW198549 004pp
- JP2025846B B 19900606 DW199026 000pp
PR - JP19840073709 19840412
XA - C1985-133205
XIC - C03B-020/00 ; C03B-037/01 ; G02B-006/00
XP - N1985-228964
AB - J60215538 Improvement in prodn. of optical fibre by heating soot preform obtd. by the vapour axial deposition process in Cl2-bearing gas to effect dehydration and sintering treatments, is claimed.
- The improvement comprises effecting at least the dehydration in the presence of O2 gas and Cl2 under elevated pressure, so that content of oxygen defect existing in the inside of the optical fibre is made as low as possible, and thereby OH radical is hardly increased even when H2 generated is diffused in the inside of the optical fibre.
- ADVANTAGE - Optical transmission loss hardly increases even with time lapse.
- In an example, soot preform was dehydrated using He gas flow rate of 2 l/min.; Cl2 gas flow rate of 50 cc/min.; O2 gas flow rate of 200 cc/min; rotating rate of 20 rpm; pulling rate of 5 mm/min.; and heating temp. of 800 deg.C; followed by sintering under the same conditions except O2 gas was not contained.(1/1)
IW - OPTICAL FIBRE PRODUCE HEAT PREFORM DEHYDRATE PRESENCE OXYGEN CHLORINE ELEVATE PRESSURE
IKW - OPTICAL FIBRE PRODUCE HEAT PREFORM DEHYDRATE PRESENCE OXYGEN CHLORINE ELEVATE PRESSURE
NC - 001
OPD - 1984-04-12
ORD - 1985-10-28
PAW - (FUJD ) FUJIKURA CABLE WORKS LTD
- (NITE ) NIPPON TELEGRAPH & TELEPHONE CORP
TI - Optical fibre prodn. by heating preform - involves dehydration in presence of oxygen and chlorine under elevated pressure